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UserID: NOgihara
Computer: WS11333
Date: 06/16/2000
Time: 12:02

	Type	Hits	Search Text	DBs
1	BRS	57	mullis-kary\$.in.	USPAT; EPO; JPO; Derwent
2	BRS	3832	((SOUTHERN ADJ (BLOTS OR BLOT OR BLOTTINGS)) AND (RESTRICTION NEAR5 FRAGMENTS))	USPAT; EPO; JPO; Derwent
3	BRS	11727	(SEQUENCING AND PRIMERS)	USPAT; EPO; JPO; Derwent
4	BRS	45	((GC ADJ CONTENT)) AND AUTOMATED AND ((SOUTHERN ADJ (BLOTS OR BLOT OR BLOTTINGS)) AND (RESTRICTION NEAR5 FRAGMENTS)) AND ((SEQUENCING AND PRIMERS))	USPAT; EPO; JPO; Derwent
5	BRS	10	((GC ADJ CONTENT)) AND (AUTOMATED ADJ (SEQUENCERS OR SEQUENCING)) AND ((SOUTHERN ADJ (BLOTS OR BLOT OR BLOTTINGS)) AND (RESTRICTION NEAR5 FRAGMENTS)) AND ((SEQUENCING AND PRIMERS))	USPAT; EPO; JPO; Derwent
6	BRS	105	(GCG AND (PRIMER NEAR3 DESIGN))	USPAT; EPO; JPO; Derwent
7	BRS	16	((GCG NEAR10 COMPUTER) AND (PRIMER NEAR3 DESIGN))	USPAT; EPO; JPO; Derwent
8	BRS	9	((GCG NEAR10 COMPUTER) AND (PRIMER NEAR3 DESIGN)) AND ((SOUTHERN ADJ (BLOTS OR BLOT OR BLOTTINGS)) AND (RESTRICTION NEAR5 FRAGMENTS))	USPAT; EPO; JPO; Derwent
9	BRS	2	((MULLIS-KARY\$.IN.) AND PCR AND HYBRIDIZ AND PRIMERS) AND (SEQUENCING OR SEQUENCES OR SEQUENCE)	USPAT; EPO; JPO; Derwent
10	BRS	3832	((SOUTHERN ADJ (BLOTS OR BLOT OR BLOTTINGS)) AND (RESTRICTION NEAR5 FRAGMENTS))	USPAT; EPO; JPO; Derwent
11	BRS	13	((MULLIS-KARY\$.IN.) AND (COMPUTING OR COMPUTER))	USPAT; EPO; JPO; Derwent
12	BRS	10	((MULLIS-KARY\$.IN.) AND PRIMERS) AND (COMPUTING OR COMPUTER) AND (PCR OR AMPLIFICATIONS OR AMPLIFY OR AMPLIFIES)	USPAT; EPO; JPO; Derwent
13	BRS	8	((MULLIS-KARY\$.IN.) AND (BLOTTED OR BLOTS OR BLOTTING OR BLOT OR SOUTHERN) AND PRIMERS) AND (PCR OR AMPLIFY OR AMPLIFICATIONS OR AMPLIFIES) AND (COMPUTING OR COMPUTER)	USPAT; EPO; JPO
14	BRS	57	mullis-kary\$.in.	USPAT; EPO; JPO; Derwent

	Time Stamp	Comments	Error Definition	Errors
1	2000/06/15 11:08			0
2	2000/06/15 09:32			0
3	2000/06/14 16:57			0
4	2000/06/14 17:02			0
5	2000/06/16 10:17			0
6	2000/06/14 17:14			0
7	2000/06/14 17:34			0
8	2000/06/14 17:36			0
9	2000/06/14 18:28			0
10	2000/06/15 09:33			0
11	2000/06/15 11:49			0
12	2000/06/15 13:18			0
13	2000/06/15 13:55			0
14	2000/06/15 13:19			0

	Type	Hits	Search Text	DBs
15	BRS	637	(NBRF OR ((NATIONAL ADJ BIOMEDICAL) ADJ RESEARCH ADJ FOUNDATION))	USPAT; EPO; JPO
16	BRS	30	((NBRF OR ((NATIONAL ADJ BIOMEDICAL) ADJ RESEARCH ADJ FOUNDATION)) AND PRIMERS) AND (DOT ADJ MATRIX)	USPAT; EPO; JPO

	Time Stamp	Comments	Error Definition	Errors
15	2000/06/15 13:56			0
16	2000/06/15 13:58			0

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UserID: NOgihara
Computer: WS11333
Date: 06/14/2000
Time: 18:30

	Type	L #	Count	Search Text	Dbs
1	BRS	L1	77	mullis-k\$.in.	USPAT; EPO; JPO; Derwent
2	BRS	L6	57	mullis-kary\$.in.	USPAT; EPO; JPO; Derwent
3	BRS	L24	3832	(southern adj (blot or blots or blotting\$)) and (restriction near5 fragment\$)	USPAT; EPO; JPO; Derwent
4	BRS	L29	11727	primer\$ and sequencing	USPAT; EPO; JPO; Derwent
5	BRS	L59	45	(39 AND 24 AND 29) and automated	USPAT; EPO; JPO; Derwent
6	BRS	L74	10	(39 AND (AUTOMATED ADJ (sequencing or SEQUENCer\$)) AND 24 AND 29)	USPAT; EPO; JPO; Derwent
7	BRS	L84	105	gcg and (primer near3 design)	USPAT; EPO; JPO; Derwent
8	BRS	L94	16	((GCG NEAR10 COMPUTER) AND (PRIMER NEAR3 DESIGN))	USPAT; EPO; JPO; Derwent
9	BRS	L104	9	94 and 24	USPAT; EPO; JPO; Derwent
10	BRS	L115	2	(6 AND PCR AND HYBRIDIZ\$ AND PRIMERS AND (SEQUENCE or sequences or sequencing))	USPAT; EPO; JPO; Derwent

	Time Stamp	Comments	Error Definition	Errors
1	2000/06/14 15:13			0
2	2000/06/14 18:24			0
3	2000/06/14 17:35			0
4	2000/06/14 16:57			0
5	2000/06/14 17:02			0
6	2000/06/14 17:34			0
7	2000/06/14 17:14			0
8	2000/06/14 17:34			0
9	2000/06/14 17:36			0
10	2000/06/14 18:28			0

(FILE HOME) ENTERED AT 13:46:08 ON 15 JUN 2000

FILE MEDLINE, BIOSIS, CAPLUS, EMBASE, LIFESCI, SCISEARCH, TOXLINE, CABA'
ENTERED AT 13:46:26 ON 15 JUN 2000

L1 0 S MULLIS K7/AU AND (DOT (W)MATRIX) AND PRIMER?
L2 0 S MULLIS K7/AU AND PIR AND PRIMER?
L3 272 S MULLIS K7/AU
L4 24 S MULLIS K7/AU AND PRIMER?
L5 15 DUP REM L4 (9 DUPLICATES REMOVED)
L6 710 S NBRF OR (NATIONAL BIOMEDICAL RESEARCH FOUNDATION)
L7 670743 S PRIMER? OR PCR OR AMPLIFICATION
L8 26 S L6 AND L7
L9 7 DUP REM L8 (19 DUPLICATES REMOVED)
L10 9 S L6 AND (DOT (W)MATRIX)
L11 3 DUP REM L10 (6 DUPLICATES REMOVED)
L12 37 S (DOT (W)MATRIX) AND PRIMER?
L13 6 S L12 AND PRIMER AND (PCR OR AMPLIFY OR AMPLIFY?)
L14 2 DUP REM L13 (4 DUPLICATES REMOVED)
L15 1414 S ((DOT (W)MATRIX) OR COMPARE OR DOTPLOT) AND PRIMER? AND (PCR
L16 5447 S PRIMER? (P) DESIGN
L17 78 S L15 AND L16
L18 24 DUP REM L17 (54 DUPLICATES REMOVED)
L19 5182 S PRIMER? (S) DESIGN
L20 74 S L19 AND L15
L21 23 DUP REM L20 (51 DUPLICATES REMOVED)
L22 46 S MACVECTOR
L23 0 S L22 AND L19
L24 9 S L22 AND PRIMER?

L24 ANSWER 1 OF 9 MEDLINE

TI ***MacVector*** . Integrated sequence analysis for the Macintosh.

AU Rastogi P A

SO METHODS IN MOLECULAR BIOLOGY, (2000) 132 47-69.

Journal code: BU3. ISSN: 1064-3745.

L11 ANSWER 1 OF 3 BIOSIS COPYRIGHT 2000 BIOSIS

TI MacVector: Sequence comparisons using a matrix method.

AU Olson, Sue A.

SO Griffin, A. M. [Editor]; Griffin, H. G. [Editor]. Methods in Molecular

Biology, (1994) Vol. 25, pp. 215-225. Methods in Molecular Biology;

Computer analysis of sequence data, Part II.

Publisher: Humana Press Inc. Suite 808, 999 Riverview Drive, Totowa, New

Jersey 07512, USA.

L21 ANSWER 17 OF 23 MEDLINE

TI Identification of conserved sequences for ***PCR*** ***primer***

design by multiple alignments of ***dot*** ***matrix***

plots.

AU Kariko K

SO BIOTECHNIQUES, (1995 Jun) 18 (6) 1048-9.

Journal code: AN3. ISSN: 0736-6205.

L21 ANSWER 17 OF 23 MEDLINE

TI Identification of conserved sequences for ***PCR*** ***primer***

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AU Kariko K

SO BIOTECHNIQUES, (1995 Jun) 18 (6) 1048-9.

Journal code: AN3. ISSN: 0736-6205.

L21 ANSWER 18 OF 23 EMBASE COPYRIGHT 2000 ELSEVIER SCI. B.V.

TI Evaluation and comparison of the Amplicor HIV-1 ***PCR*** kit with an

'in-house' nested ***PCR***.

AU Fransen K.; Van Kerkhove I.; Piot P.; Van der Groen G.

SO Clinical and Diagnostic Virology, (1995) 4/4 (311-319).

ISSN: 0928-0197 CODEN: CDVIE8

AB Background: The polymerase chain reaction (***PCR***), a powerful gene

amplification technique, is moving rapidly from the research

laboratory into routine clinical use. Objectives: To evaluate the

specificity and sensitivity of a commercially available ***PCR*** kit,

the Amplicor HTV-1 ***PCR*** kit (AMP) and to ***compare*** it

with an in-house nested ***PCR***, which ***amplified*** part of

the POL gene (POL(n)). Study ***design*** : A total of 517 samples were

tested by AMP, including 159 fresh whole blood specimens from HIV-1

antibody positive Europeans and 358 archival samples (338 seropositive and

20 seronegative individuals) originating from 35 different countries in

Africa and Europe. We compared the performance of AMP on the archival

samples with POL(n). Results: The overall sensitivity and specificity as

compared to HIV-1 serology were 93% and 100%, and 96% and 100%, for AMP

and the in-house ***PCR***, respectively. Repeat testing on

co-cultured lymphocytes increased the sensitivity of AMP to 95%.

Conclusions: AMP is a rapid, and easy to use commercially available

PCR kit, since only one ***amplification*** of the test sample

is required. Moreover, the use of radioactivity is omitted, and reading of

the test can be done with a spectrophotometer. The use of at least one

additional ***primer*** pair may increase confidence in distinguishing

a positive and negative sample by both ***PCR*** techniques.